

TABLE 7A-1
BASIC STATISTICS - FULL DATA SET (OMITTING OBSERVATIONS WITH MISSING VALUES)

SAS							15:57 SUNDAY, OCTOBER 18, 1987 94
VARIABLE	N	MEAN	STD DEV	SUM	MINIMUM	MAXIMUM	
PG	921	109.87480999	74.34304561	101194.70000	20.20000000	360.1000000	
GV	921	3.28230185	1.63000453	3023.00000	1.00000000	6.0000000	
GH	921	3.60912052	1.40736833	3324.00000	1.00000000	6.0000000	
YR	921	84.89902280	0.61821918	78192.00000	84.00000000	86.0000000	
MO	921	7.16286645	3.35208728	6597.00000	1.00000000	12.0000000	
PRICE	921	83950.69598263	42165.26038550	77310591.00000	25750.00000000	407500.0000000	
AREA	921	1259.23235613	551.10400095	1159753.00000	224.00000000	4525.0000000	
PSF	921	68.41674267	21.52273524	63011.82000	24.81000000	482.3700000	
RM	921	4.92833076	1.25597284	4539.00000	2.00000000	12.0000000	
BR	921	2.39847991	0.82142365	2209.00000	0.00000000	6.0000000	
BA	921	1.57166124	0.59093732	1447.50000	1.00000000	4.0000000	
VB	921	71.58089034	11.94635763	65926.00000	1.00000000	86.0000000	
STR	921	1.64875136	0.59401093	1518.50000	0.00000000	4.0000000	
PI	921	0.03040174	0.21148736	28.00000	0.00000000	3.0000000	
S1	921	0.34201954	0.47464385	315.00000	0.00000000	1.0000000	
S2	921	0.23344191	0.42325086	215.00000	0.00000000	1.0000000	
S3	921	0.01085776	0.10368966	10.00000	0.00000000	1.0000000	
FP	921	0.93159609	0.25257490	850.00000	0.00000000	1.0000000	
LOTSZ	921	7745.43865364	6585.27709354	7133549.00000	1100.00000000	108900.0000000	
PF	921	72.37242128	18.29532072	66655.00000	15.00000000	100.0000000	
PH	921	68.32247557	24.69450794	62925.00000	5.00000000	95.0000000	
VR	921	1.78284473	1.58236509	1642.00000	0.00000000	5.0000000	
GP	921	3.17263844	1.53493750	2922.00000	1.00000000	7.0000000	
S	921	0.60923906	0.66405332	644.00000	0.00000000	2.0000000	
HQTREE	921	3.95439739	0.61367451	3642.00000	3.00000000	5.0000000	
HQVIEW	921	4.50651466	0.53170962	4150.50000	3.00000000	5.0000000	
HQLAKE	921	4.06749186	0.75486977	3746.16000	2.00000000	5.0000000	
HQWILD	921	3.41424539	0.67437757	3144.52000	1.00000000	4.3300000	
HQREC	921	3.72445168	0.84418262	3430.22000	1.00000000	5.0000000	
HQAIR	921	3.86217155	0.69759046	3557.06000	2.00000000	4.6700000	
HQFISH	921	3.66352877	0.78294249	3374.11000	1.00000000	5.0000000	
HQSTORE	921	4.14222584	0.62550982	3814.99000	2.33000000	5.0000000	
HQSCHOOL	921	4.19054289	0.43701896	3859.49000	2.33000000	5.0000000	
DLAKE	921	5.07641151	0.85726838	4675.37500	0.12500000	42.0000000	
DTOWN	921	38.83496200	11.17056080	35767.00000	18.00000000	53.0000000	
SE1	921	96.72345277	0.68530652	89882.30000	93.30000000	97.3000000	
SE2	921	7.07404995	1.02140664	6515.20000	2.60000000	8.0000000	
SE3	921	7.86427796	5.92528249	7243.00000	0.90000000	13.7000000	
SE4	921	24.12627579	5.89732476	22228.30000	18.20000000	35.7000000	
SE5	921	6.27079262	2.59686356	5775.48000	3.50000000	8.9000000	
DLAKE	921	1.05406070	1.46902869	970.78990	0.02388952	8.0000000	
DTOWN	921	0.02822563	0.00879897	25.99581	0.01886792	0.0555556	
DARROW	921	0.19435396	0.39591754	179.00000	0.00000000	1.0000000	
DGREG	921	0.08360478	0.27694457	77.00000	0.00000000	1.0000000	
DWRIGHT	921	0.07709012	0.26687931	71.00000	0.00000000	1.0000000	
DRUM	921	0.15092291	0.35816822	139.00000	0.00000000	1.0000000	
DFOREST	921	0.01628664	0.12664440	15.00000	0.00000000	1.0000000	
V1	921	0.27470141	0.44660622	253.00000	0.00000000	1.0000000	
V2	921	0.16178067	0.36844957	149.00000	0.00000000	1.0000000	
V3	921	0.20086862	0.40086768	185.00000	0.00000000	1.0000000	
VR2	921	5.67969598	6.62509313	5231.00000	0.00000000	25.0000000	

TABLE 7A.2

BASIC STATISTICS - WEST
DATA SET (OMITTING OBSERVATIONS WITH MISSING VALUES)

SAS									
16:14 SUNDAY, OCTOBER 18, 1987 49									
VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	STD ERROR OF MEAN	SUM	VARIANCE	C.V.
PG	541	82.2384473	17.9720071	53.000000	96.000000	0.7726769	44491.000	323.0	21.854
GV	541	2.9574861	1.6375355	1.000000	6.000000	0.0704032	1600.000	2.7	55.369
GH	541	3.2550832	1.4824895	1.000000	7.000000	0.0637372	1761.000	2.2	45.544
YR	541	84.9279113	0.6414517	84.000000	86.000000	0.0275782	45946.000	0.4	0.755
MO	541	7.1349353	3.2629088	1.000000	12.000000	0.1402834	3860.000	10.6	45.731
PRICE	541	92810.6931608	48440.6791360	28000.000000	487500.000000	2082.6274618	50210585.000	2346499395.2	52.193
AREA	541	1415.0055453	599.7580206	224.000000	4525.000000	25.7856113	765518.000	359709.7	42.386
PSF	541	67.4399815	24.5670175	25.730000	482.370000	1.0562186	36485.030	603.5	36.428
RM	541	5.3548983	1.3593704	3.000000	12.000000	0.0584439	2897.000	1.8	25.386
BR	541	2.6580407	0.8603805	0.000000	6.000000	0.0369906	1438.000	0.7	32.369
BA	541	1.7606285	0.6269435	1.000000	4.000000	0.0269544	952.500	0.4	35.609
YB	536	71.2798507	11.9789553	10.000000	86.000000	0.5174121	38206.000	143.5	16.806
STR	541	1.8659889	0.6419504	0.000000	4.000000	0.0275996	1009.500	0.4	34.403
FI	541	0.0369686	0.2481809	0.000000	3.000000	0.0106701	20.000	0.1	671.329
SI	541	0.3844732	0.4869207	0.000000	1.000000	0.0209344	208.000	0.2	126.646
S2	541	0.2310536	0.4218967	0.000000	1.000000	0.0181388	125.000	0.2	182.597
S3	541	0.0092421	0.0957793	0.000000	1.000000	0.0041179	5.000	0.0	1036.333
FP	541	0.8872458	0.3165848	0.000000	1.000000	0.0136110	480.000	0.1	35.682
LOTSZ	489	8411.8670757	4998.2703894	1750.000000	50000.000000	226.0296001	4113403.000	24982706.9	59.419
PF	541	85.5360444	9.1027618	50.000000	100.000000	0.3913583	46275.000	82.9	10.642
PB	541	80.0554529	14.0203778	30.000000	95.000000	0.6027831	43310.000	196.6	17.513
VR	536	0.2770522	0.5786025	0.000000	2.500000	0.0249918	148.500	0.3	208.842
GF	541	4.5157116	1.5759280	3.000000	7.000000	0.0677544	2443.000	2.5	34.899
S	541	1.0018484	0.5073500	0.000000	2.000000	0.0218127	542.000	0.3	50.641
HQTREE	541	4.1103512	0.6023286	3.000000	5.000000	0.0258961	2223.700	0.4	14.654
HQVIEW	541	4.2892606	0.5582896	3.000000	5.000000	0.0240027	2320.490	0.3	13.016
HQLAKE	541	4.1784288	0.5189661	3.000000	5.000000	0.0223121	2260.530	0.3	12.420
HQWILD	541	3.2772828	0.4457792	2.800000	4.330000	0.0191655	1773.010	0.2	13.602
HQREC	541	3.6217745	0.6071245	2.930000	5.000000	0.0261023	1959.380	0.4	16.763
HQAIR	541	3.2523660	0.8147660	2.000000	4.670000	0.0350295	1759.530	0.7	25.051
HQFISH	541	3.6851571	0.5402738	3.000000	5.000000	0.0232282	1993.670	0.3	14.661
HQSTORE	541	3.9789279	0.5047085	3.000000	5.000000	0.0216991	2152.600	0.3	12.685
HQSCHOOL	541	4.2553235	0.3287126	3.830000	5.000000	0.0141325	2302.130	0.1	7.725
DLAKE	449	3.0442650	2.8542945	0.125000	7.000000	0.1347025	1366.875	8.1	93.760
DTOWN	541	27.6136784	2.7662847	28.000000	37.000000	0.1189319	14939.000	7.7	10.010
SE1	541	96.2284658	0.1748101	96.200000	97.300000	0.0075157	52059.600	0.0	0.182
SE2	541	6.3439926	0.2701610	6.300000	8.000000	0.0116151	3432.100	0.1	4.259
SE3	541	1.2312384	2.0341538	0.900000	13.700000	0.0874551	666.100	4.1	165.212
SE4	541	29.0127542	1.7639927	18.200000	29.300000	0.0758400	15695.900	3.1	6.080
SE5	541	3.8345656	0.8263750	3.700000	8.900000	0.0355286	2074.500	0.7	21.551
IDLAKE	449	1.2550352	1.8266698	0.142857	8.000000	0.0862153	563.511	3.3	145.563
IDTOWN	541	0.0365482	0.0033713	0.027027	0.04167	0.0001449	19.773	0.0	9.224
DARROW	541	0.4288355	0.4953677	0.000000	1.000000	0.0212975	232.000	0.2	115.515
DGREG	541	0.2717190	0.4452575	0.000000	1.000000	0.0191431	147.000	0.2	163.867
DRUN	541	0.2994455	0.4584390	0.000000	1.000000	0.0197098	162.000	0.2	153.096
V1	541	0.1146026	0.3188365	0.000000	1.000000	0.0137079	62.000	0.1	278.211
V2	541	0.0369686	0.1888593	0.000000	1.000000	0.0081197	20.000	0.0	510.864
V3	541	0.0000000	0.0000000	0.000000	0.000000	0.0000000	0.000	0.0	
VR2	536	0.4109142	1.2579160	0.000000	6.250000	0.0543337	220.250	1.6	306.126

TABLE 7A.3

BASIC STATISTICS - EAST

DATA SET

SAS							16:05 SUNDAY, OCTOBER 18, 1987 43		
VARIABLE	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	STD ERROR OF MEAN	SUM	VARIANCE	C.V.
PG	505	98.7207921	0.6808487	95.000000	100.00000	0.0302974	49854.000	0.5	0.690
GV	505	3.1881188	1.7096416	1.000000	6.00000	0.0760781	1610.000	2.9	53.625
GH	505	3.9306931	1.5777309	1.000000	6.00000	0.0702081	1985.000	2.5	40.139
YR	505	84.8950495	0.6290545	84.000000	86.00000	0.0279926	42872.000	0.4	0.741
MO	505	6.9089109	3.3811481	1.000000	12.00000	0.1504591	3489.000	11.4	48.939
PRICE	505	76433.0514851	36642.3685312	25750.000000	315000.00000	1630.5639986	38598691.000	1342663171.6	47.940
AREA	505	1120.2910891	450.1293514	432.000000	3778.00000	20.0304932	565747.000	202616.4	40.180
PSF	505	68.9720594	17.1723653	24.810000	193.35000	0.7641602	34830.890	294.9	24.898
RM	505	4.5603960	1.0063370	2.000000	9.00000	0.0447814	2303.000	1.0	22.067
BR	505	2.1881188	0.7198003	0.000000	5.00000	0.0320307	1105.000	0.5	32.896
BA	505	1.4396040	0.5296898	1.000000	4.00000	0.0235709	727.000	0.3	36.794
YB	496	73.2419355	11.2021794	1.000000	86.00000	0.5029927	36320.000	125.5	15.295
STR	505	1.4722772	0.4942364	1.000000	3.00000	0.0219932	743.500	0.2	33.570
PI	505	0.0217822	0.1461164	0.000000	1.00000	0.0065021	11.000	0.0	670.807
S1	505	0.2871287	0.4528708	0.000000	1.00000	0.0201525	145.000	0.2	157.724
S2	505	0.2910891	0.4547149	0.000000	1.00000	0.0202345	147.000	0.2	156.212
S3	505	0.0158416	0.1249862	0.000000	1.00000	0.0055618	8.000	0.0	788.976
FP	505	0.9663366	0.1805400	0.000000	1.00000	0.0080339	488.000	0.0	18.683
LOTSZ	482	6685.8278008	6547.9004949	1100.000000	108900.00000	298.2486949	3222569.000	42875000.9	97.937
PF	505	60.4356436	16.1591882	15.000000	90.00000	0.7190744	30520.000	261.1	26.738
PB	505	62.2376238	24.4876664	5.000000	90.00000	1.0896869	31430.000	599.6	39.345
VR	501	2.9840319	1.0600682	1.000000	5.00000	0.0473604	1495.000	1.1	35.525
GP	505	2.0000000	0.0000000	2.000000	2.00000	0.0000000	1010.000	0.0	0.000
S	505	0.4376238	0.6144509	0.000000	2.00000	0.0273427	221.000	0.4	140.406
MQTREE	505	4.0245545	0.5668325	3.500000	5.00000	0.0252237	2032.400	0.3	14.084
MQVIEW	505	4.7811683	0.2029681	4.500000	5.00000	0.0090320	2414.490	0.0	4.245
QQLAKE	505	4.3183564	0.4411195	3.330000	5.00000	0.0196296	2180.770	0.2	10.215
MQWILD	505	3.6700198	0.3768470	3.000000	4.00000	0.0167695	1853.360	0.1	10.268
MQREC	505	4.0785347	0.4477486	3.250000	5.00000	0.0199246	2059.660	0.2	10.978
MQAIR	505	4.3011881	0.2190994	3.750000	4.50000	0.0097498	2172.100	0.0	5.094
MQFISH	505	3.9651089	0.2456035	3.170000	4.50000	0.0109292	2002.380	0.1	6.194
MQSTORE	505	4.2753465	0.6360256	3.000000	5.00000	0.0283028	2159.050	0.4	14.877
MQSCHOOL	505	4.2686733	0.3638420	4.000000	5.00000	0.0161908	2155.680	0.1	8.524
DLAKE	467	1.7706103	1.4610958	0.125000	10.00000	0.0676115	826.875	2.1	82.519
DTOWN	505	49.5841584	2.7640956	37.000000	53.00000	0.1238006	25040.000	7.6	5.575
SE1	505	97.3000000	0.0000000	97.300000	97.30000	0.0000000	49136.500	0.0	0.000
SE2	505	8.0000000	0.0000000	8.000000	8.00000	0.0000000	4040.000	0.0	0.000
SE3	505	13.2297030	0.1183086	13.200000	13.70000	0.0052647	6681.000	0.0	0.894
SE4	505	18.2000000	0.0000000	18.200000	18.20000	0.0000000	9191.000	0.0	0.000
SE5	505	8.9000000	0.0000000	8.900000	8.90000	0.0000000	4494.500	0.0	0.000
IDLAKE	467	1.0393477	1.0259644	0.100000	8.00000	0.0474760	485.375	1.1	98.712
IDTOWN	505	0.0202361	0.0012324	0.018868	0.02703	0.0000548	10.219	0.0	6.090
V1	505	0.3623762	0.4811633	0.000000	1.00000	0.0214115	183.000	0.2	132.780
V2	505	0.2514851	0.4342970	0.000000	1.00000	0.0193260	127.000	0.2	172.693
V3	505	0.3782178	0.4854232	0.000000	1.00000	0.0216010	191.000	0.2	128.345
VR2	501	10.0259481	6.3304285	1.000000	25.00000	0.2828227	5023.000	40.1	63.140

TABLE 7-1
Property Value Analysis Variables

Variable	Description
PG	Thomas Brothers Map page number.
GV	Grid vert. number on map. 1 = A to 6 = F.
GH	Grid hort. number on map. 1 = A to 6 = F.
ADD	Address (alph variable 16 characters long).
YR	Year sale data is from.
MO	Month sale data is from.
*PRICE	Sale price in \$. Observations > \$500,000 deleted.
*AREA	Sq. ft. of residence. Observations > 5,000 deleted.
PSF	Calculates price per square foot of residence.
*RM	# rooms.
* B R	# bedrooms.
*BA	# baths.
*YB	Year Built.
*STR	Stories, 1, 1.5, 2, 2.5.
*P	Pool: 1 = yes; 0 = no.
*S1	View: 1 = yes; 0 = no.
*S2	Wooded: 1 = yes; 0 = no.
*S3	Other (golf course access, etc.): 1 = yes; 0 = no.
*FP	Fireplace: 1 = yes; 0 = no.
*LOTSZ	Lot size in sq. ft. Observations > 131,000 deleted.
PF	Percent forested in area (subjective measurement, 0-100%).
PB	Percent of trees > 50-60ft. (subjective measurement, 0-100%).
VR	Visual rating of trees (subjective score from 0 to 5). Note that V1, V2, and V3 are preferred to VR.
V1	= 1 if VR >= 1 and VR<= 2: Normal senesence or very mild damage generally present. Else = 0.
V2	= 1 if VR > 2.5 and VR < 3.5: Mild to moderate injury or substantial senesence generally present. Else = 0.
V3	= 1 if VR > 4: Moderate to severe injury present. Else = 0.
VR2	= VR * VR.
GP	Housing group. 1 = Forest Falls (16 obs), 2 = Big Bear (507 obs), 3 = Running Springs (162 obs), 4 = Arrowhead (232 obs), 5 = Wrightwood (74 obs), 6 = Idylldale (0 obs), 7 = Lake Gregory and Silverwood Lake (147 obs).
S	= Slope in area. 0 = flat, 1 = slight, 2 = rolling, 4 = steep.
*DTOWN	Distance to valley at I-10 and I-15 intersection.
IDTOWN	1/DTOWN.
DLAKE	Distance to nearest major lake (Arrowhead, Gregory, Big Bear, Silverwood).
*IDLAKE	1/DLAKE.
MQTREE	Mean tree quality from survey. Higher score = higher quality.
MQVIEW	Mean quality of view in area from survey.

TABLE 7-1 (Continued)

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MQLAKES	Mean quality of lakes in area from survey.
MQWILD	Mean quality of wildlife in area from survey.
MQREC	Mean quality of recreation in area from survey.
MQAIR	Mean quality of air in area from survey.
MQFISH	Mean quality of fishing in area from survey.
MQTORE	Mean quality of shopping in area from survey.
MQSCHOOL	Mean quality of schools in area from survey.

*Variables included in all regressions. Area**2 also included.

TABLE 7-2

Highest Correlation of Quality and Distance Variables
with Housing Characteristic Variable
(Full Sample)

=====		
Quality or Distance Variable	Highest Correlated Housing Attribute	Correlation
DLAKE	FP	.07
DTOWN	BR	-.22
MQTREE	YB	-.13
MQVIEW	LOTSZ	-.15
SQLAKE	FP	-.14
MQWILD	LOTSZ	-.16
MQREC	FP	-.11
MQAIR	RM	-.22
MQFISH	AREA	-.10
MQSTORE	FP	-.09
MQSCHOOL	BR	-.08
V1	STR	-.09
V2	FP	.08
V3	RM	.18
PF	STR	.19
PB	YB	-.18

based upon the significance of this variable in previous studies (Rowe and Schulze, 1986, Schulze et al. 1986). We expect limited influence of the selection of housing variables upon the coefficient of the tree quality variables of interest due to the low correlation between these variable sets relative to the significance of the regressions as a whole, as reflected in Table 7-2.

Two predefined distance variables were included in all regressions. Often inverse distance variables are more highly significant than simple distance variables in property value analysis. Due to the high collinearity (.98) between the distance and inverse distance to the valley, the two variables are virtually indistinguishable and DTOWN was selected. IDLAKE, the inverse of the distance to the nearest lake, was selected over DLAKE due to higher simple correlations with PRICE, lower correlation to DTOWN, and generally lower correlations with the site quality variables. Thus, using IDLAKE, versus DLAKE, should improve explanatory power and perhaps reduce multicollinearity problems.

Selection of the site quality variables for inclusion possess a significant problem. There is a very high correlation between the nine quality variables obtained from the resident survey (variables beginning with MQ in Table 7-1). In addition, the survey generated site quality variables significantly correlated with the distance variables and with one or all of the tree characteristic variables generated by the researchers. Tables 7A-4 through 7A-6 present the rank ordered simple correlations among these sets of variables.

Several actions were taken to address multicollinearity issues

- Because some of the multicollinearity is due to housing and forest differences in the eastern and western areas of the SBNF, separate analyses were conducted with the FULL, EAST and WEST data sets to break some of the collinearity.

TABLE 7A.4

SELECTED CORRELATIONS - FULL DATA SET

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PEARSON CORRELATION COEFFICIENTS / PROB > |R| UNDER H0:RHO=0 / N = 983

DLAKE													
DLAKE	MQFISH	MLAKE	MQREC	MQWILD	MQSCHOOL	MQTREE	MQSTORE	MQVIEW	IDLAKE	PB	IDTOWN	DTOWN	
1.00000	-0.75113	-0.70604	-0.56535	-0.46317	-0.42713	-0.37908	-0.35131	-0.34804	-0.33346	-0.23645	0.20452	-0.19751	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
YB	MQAIR	VR	V2	V3	PF	V1							
-0.07416	-0.07156	0.05035	0.04929	0.02497	-0.01380	0.00713							
0.0201	0.0249	0.1147	0.1225	0.4342	0.6655	0.8233							
DTOWN													
DTOWN	IDTOWN	VR	MQAIR	PF	V3	MQVIEW	PB	MQWILD	V1	MQREC	MQSTORE	DLAKE	
1.00000	-0.97965	0.79725	0.73233	-0.65956	0.48453	0.42793	-0.36946	0.33228	0.28499	0.21995	0.19760	-0.19751	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
YB	V2	MQFISH	MQSCHOOL	MLAKE	MQTREE	IDLAKE							
0.19683	0.18176	0.15872	-0.06193	0.06151	0.01001	-0.00470							
0.0001	0.0001	0.0001	0.0523	0.0539	0.7538	0.8831							
IDLAKE													
IDLAKE	MQTREE	DLAKE	MLAKE	MQVIEW	MQREC	V2	YB	PF	MQSCHOOL	MQFISH	V3	MQWILD	
1.00000	0.41871	-0.33346	0.31899	0.28947	0.27024	0.19142	-0.18691	0.18621	0.18039	0.17974	-0.17045	0.16096	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
V1	MQAIR	PB	VR	IDTOWN	MQSTORE	DTOWN							
-0.13841	0.13599	0.10388	-0.08968	-0.04977	0.02179	-0.00470							
0.0001	0.0001	0.0011	0.0049	0.1189	0.4949	0.8831							
IDTOWN													
IDTOWN	DTOWN	VR	MQAIR	PF	V3	MQVIEW	PB	MQWILD	V1	MQSTORE	V2	DLAKE	
1.00000	-0.97965	-0.78219	-0.75883	0.63283	-0.45324	-0.41498	0.36559	-0.28922	-0.28484	-0.22105	-0.20509	0.20452	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
YB	MQREC	MQFISH	MQSCHOOL	IDLAKE	MLAKE	MQTREE							
-0.19475	-0.18640	-0.11255	0.08106	-0.04977	-0.03138	0.00103							
0.0001	0.0001	0.0004	0.0110	0.1189	0.3226	0.9744							
MQTREE													
MQTREE	MQREC	MQWILD	MLAKE	IDLAKE	MQFISH	DLAKE	PB	MQSCHOOL	MQSTORE	MQVIEW	V3	PF	
1.00000	0.56550	0.46557	0.43443	0.41871	0.40916	-0.37908	0.37259	0.33101	0.31278	0.28738	-0.19761	0.17602	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
VR	YB	V1	V2	MQAIR	DTOWN	IDTOWN							
-0.17296	-0.11575	0.07789	-0.07233	0.01282	0.01001	0.00103							
0.0001	0.0003	0.0146	0.0233	0.6881	0.7538	0.9744							
MQVIEW													
MQVIEW	MQWILD	MQAIR	MQREC	MLAKE	MQFISH	DTOWN	IDTOWN	DLAKE	IDLAKE	MQTREE	MQSCHOOL	VR	
1.00000	0.64010	0.58231	0.49820	0.47151	0.44958	0.42793	-0.41498	-0.34804	0.28947	0.28738	0.28005	0.21912	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
MQSTORE	V3	PB	YB	V1	PF	V2							
0.13685	0.11493	0.09008	0.08985	0.06545	-0.04556	0.04131							
0.0001	0.0003	0.0047	0.0048	0.0402	0.1535	0.1956							
MQWILD													
MQWILD	MQREC	MQFISH	MQVIEW	MLAKE	MQSCHOOL	MQTREE	DLAKE	DTOWN	MQAIR	IDTOWN	MQSTORE	V3	
1.00000	0.71747	0.69374	0.64010	0.60455	0.51721	0.46557	-0.46317	0.33228	0.31384	-0.28922	0.24345	0.23408	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

TABLE 7A.4 (Continued)

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PEARSON CORRELATION COEFFICIENTS / PROB > |R| UNDER H0:RHO=0 / N = 983

MQWILD

VR	IDLAKE	V2	VB	FB	PF	V1
0.18646	0.16096	-0.14811	0.10009	0.08972	0.03594	-0.00104
0.0001	0.0001	0.0001	0.0017	0.0049	0.2603	0.9741
MQSTORE						
MQSTORE	MQREC	MLAKE	MQFISH	DLAKE	MQTREE	MQWILD
1.00000	0.49912	0.37402	0.36991	-0.35131	0.31278	0.24345
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
MQVIEW	MQSCHOOL	MQAIR	VR	V2	IDLAKE	VB
0.13685	0.11267	0.06206	-0.05305	0.02942	0.02179	0.01721
0.0001	0.0004	0.0518	0.0963	0.3569	0.4949	0.5899
MQREC						
MQREC	MLAKE	MQFISH	MQWILD	MQSCHOOL	MQTREE	DLAKE
1.00000	0.79680	0.77473	0.71747	0.60383	0.56550	-0.56535
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
MQAIR	V1	VR	V3	PF	VB	V2
0.18458	-0.13344	0.09643	0.09562	0.08296	-0.05513	0.03903
0.0001	0.0001	0.0023	0.0027	0.0093	0.0841	0.2212
MQFISH						
MQFISH	MLAKE	MQREC	DLAKE	MQWILD	MQSCHOOL	MQVIEW
1.00000	0.88025	0.77473	-0.75113	0.69374	0.60731	0.44958
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
MQTREE	MQSTORE	FB	IDLAKE	DTOWN	VB	IDLAKE
0.40916	0.36991	0.26306	0.17974	0.15872	-0.11304	0.0004
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
IDTOWN						
IDTOWN	VR	PF	V1	MQAIR	V3	VB
-0.11255	-0.08183	0.05230	-0.04396	0.02690	-0.00451	-0.00136
0.0004	0.0103	0.1012	0.1685	0.3996	0.8876	0.9660
MLAKE						
MLAKE	MQFISH	MQREC	DLAKE	MQSCHOOL	MQWILD	MQVIEW
1.00000	0.88025	0.79680	-0.70604	0.61807	0.60455	0.47151
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
MQTREE	MQSTORE	FB	IDLAKE	DTOWN	VB	IDLAKE
0.43443	0.37402	0.35568	0.31899	-0.21274	0.20654	0.0001
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
MQAIR						
MQAIR	IDTOWN	DTOWN	VR	MQVIEW	PF	V3
1.00000	-0.75863	0.73233	0.61770	0.58231	-0.41759	0.39119
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
MQVIEW	IDLAKE	FB	MQWILD	V1	MQREC	VB
-0.34832	0.31384	0.24875	0.18458	0.14658	0.13599	0.0001
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
MQSCHOOL						
MQSCHOOL	MLAKE	MQFISH	MQREC	MQWILD	DLAKE	MQTREE
1.00000	0.61807	0.60731	0.60383	0.51721	-0.42713	0.33101
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
MQTREE	MQVIEW	IDLAKE	FB	MQSTORE	V3	PF
0.28005	0.18039	0.13495	0.11267	-0.08637	0.08120	0.0109
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
IDTOWN						
IDTOWN	VB	VR	DTOWN	MQAIR	V2	V1
0.08106	-0.08080	-0.07145	-0.06193	0.04537	0.02699	0.00335
0.0110	0.0113	0.0251	0.0523	0.1552	0.3979	0.9164

TABLE 7A.4 (Continued)

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MQWILD	MQVIEW	MQSCHOOL	DLAKE	MQREC	MQSTORE	MQFISH
0.10009	0.08985	-0.08080	-0.07416	-0.05513	0.01721	-0.00136
0.0017	0.0048	0.0113	0.0201	0.0841	0.5899	0.9660

TABLE 7A.5

SELECTED CORRELATION - WEST DATA SET (page 1 of 4)

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PEARSON CORRELATION COEFFICIENTS / PROB > |R| UNDER H0:RHO=0 / N = 439

DLAKE													
DLAKE	IDLAKE	DTOWN	IDTOWN	MQWILD	MQTREE	MQSTORE	MQSCHOOL	MQREC	MLAKE	PF	MQAIR	V2	
1.00000	-0.54224	-0.46537	0.45570	-0.42530	-0.39247	-0.33308	0.29201	-0.26308	-0.24307	-0.22786	-0.20947	-0.16919	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0004	
VR	MQVIEW	V1	MQFISH	YB	FB	V3							
-0.15183	-0.14344	0.13279	0.10459	0.10194	-0.03293	0.00000							
0.0014	0.0026	0.0053	0.0284	0.0327	0.4914	1.0000							
DTOWN													
DTOWN	IDTOWN	MQAIR	MQVIEW	IDLAKE	DLAKE	MQWILD	PF	MQTREE	MQREC	V2	V1	MQSCHOOL	
1.00000	-0.99128	0.63718	0.56638	0.53097	-0.46537	0.44603	0.32048	0.31942	0.21811	-0.18413	0.17547	-0.16822	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0004	
MLAKE	MQFISH	MQSTORE	VR	FB	YB	V3							
0.11871	-0.08340	-0.06985	0.04986	0.01596	0.00869	0.00000							
0.0036	0.0809	0.1440	0.2972	0.7388	0.8560	1.0000							
IDLAKE													
IDLAKE	IDTOWN	DLAKE	DTOWN	MQTREE	MQVIEW	MQAIR	MQWILD	PF	MQREC	MLAKE	YB	V1	
1.00000	-0.54234	-0.54224	0.53097	0.46721	0.41519	0.37958	0.34723	0.38140	0.25327	0.25083	-0.20001	-0.09219	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0536	
MQSTORE	MQFISH	V2	VR	FB	MQSCHOOL	V3							
-0.07165	0.05745	0.03914	0.02219	0.02078	0.00632	0.00000							
0.1339	0.2296	0.4134	0.6430	0.6642	0.8949	1.0000							
IDTOWN													
IDTOWN	DTOWN	MQAIR	MQVIEW	IDLAKE	DLAKE	MQWILD	PF	MQTREE	V2	MQSCHOOL	MQREC	V1	
1.00000	-0.99128	-0.65651	-0.59707	-0.54234	0.45570	-0.34727	-0.30857	0.20705	0.19636	-0.17944	-0.14623		
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0021	
MQFISH	MLAKE	MQSTORE	YB	VR	FB	V3							
0.12735	-0.12166	0.09591	-0.03279	-0.02114	-0.01323	0.00000							
0.0075	0.0107	0.0446	0.4932	0.6586	0.7822	1.0000							
MQTREE													
MQTREE	MQREC	MQWILD	MLAKE	MQSCHOOL	IDLAKE	MQFISH	DLAKE	MQAIR	DTOWN	IDTOWN	MQSTORE	PF	
1.00000	0.80638	0.75510	0.62862	0.60164	0.46721	0.41257	-0.39247	0.37623	0.31942	-0.30857	0.27107	0.24743	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
YB	FB	MQVIEW	V1	VR	V2	V3							
-0.23414	0.20533	0.15452	-0.12557	0.06531	0.01083	0.00000							
0.0001	0.0001	0.0012	0.0084	0.1720	0.8210	1.0000							
MQVIEW													
MQVIEW	MQAIR	IDTOWN	DTOWN	IDLAKE	PF	MQSCHOOL	MLAKE	MQWILD	MQTREE	DLAKE	FB	V2	
1.00000	0.80536	-0.59707	0.56638	0.41519	0.38931	-0.26933	0.19035	0.17626	0.15452	-0.14344	0.14098	-0.13653	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0012	0.0026	0.0031	0.0042	
MQREC	V1	VR	MQFISH	YB	MQSTORE	V3							
0.12420	-0.10591	-0.05907	-0.05447	0.05179	-0.03980	0.00000							
0.0092	0.0265	0.2168	0.2547	0.2789	0.4055	1.0000							
MQWILD													
MQWILD	MQREC	MQTREE	MLAKE	MQFISH	MQSTORE	DTOWN	IDTOWN	DLAKE	MQAIR	IDLAKE	MQSCHOOL	PF	
1.00000	0.85271	0.75510	0.73202	0.57461	0.55674	0.44603	-0.43623	-0.42530	0.40903	0.34723	0.31280	0.23630	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

TABLE 7A.5 (Continued)

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PEARSON CORRELATION COEFFICIENTS / PROB > |R| UNDER H0:RHO=0 / N = 439

MQWILD

MQVIEW	YB	V1	FB	V2	VR	V3								
0.17626	-0.16943	-0.16718	0.15430	-0.07363	-0.04195	0.00000								
0.0002	0.0004	0.0004	0.0012	0.1235	0.3806	1.0000								
MQSTORE							FB	MQTREE	PF	VR	YB	MQSCHOOL		
MQSTORE	MLAKE	MQREC	MQFISH	MQWILD	V1	DLAKE	0.27159	0.27107	0.25118	-0.15463	-0.12631	-0.10082		
1.00000	0.67166	0.66153	0.56651	0.55674	-0.45291	-0.33308	0.0001	0.0001	0.0001	0.0012	0.0081	0.0347		
0.0000	0.0001	0.0001	-0.0001	0.0001	0.0001	0.0001								
IDTOWN	IDLAKE	DTOWN	V2	MQVIEW	MQAIR	V3								
0.09591	-0.07165	-0.06985	0.05474	-0.03980	-0.03001	0.00000								
0.0446	0.1339	0.1440	0.2525	0.4055	0.5306	1.0000								
MQREC							FB	V1	PF	YB	DLAKE	IDLAKE		
MQREC	MLAKE	MQWILD	MQTREE	MQFISH	MQSTORE	MQSCHOOL	0.32532	-0.30413	0.29504	-0.27238	-0.26308	0.25327		
1.00000	0.88432	0.85271	0.80638	0.78639	0.66153	0.43958	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001		
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001								
MQAIR	DTOWN	IDTOWN	MQVIEW	VR	V2	V3								
0.25057	0.21811	-0.17944	0.12420	-0.08196	-0.00963	0.00000								
0.0001	0.0001	0.0002	0.0092	0.0863	0.8406	1.0000								
MQFISH							FB	VR	YB	PF	MQAIR			
MQFISH	MLAKE	MQREC	MQWILD	MQSTORE	V1	MQTREE	MQSCHOOL	0.33097	-0.24916	-0.23952	0.16015	-0.13213		
1.00000	0.81784	0.78639	0.57461	0.56651	-0.41892	0.41257	0.34387	0.0001	0.0001	0.0001	0.0008	0.0056		
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001							
IDTOWN	DLAKE	DTOWN	IDLAKE	MQVIEW	V2	V3								
0.12735	0.10459	-0.08340	0.05745	-0.05447	-0.02325	0.00000								
0.0075	0.0284	0.0809	0.2296	0.2547	0.6270	1.0000								
MLAKE							FB	PF	YB	IDLAKE	DLAKE	VR		
MLAKE	MQREC	MQFISH	MQWILD	MQSTORE	MQTREE	V1	0.46134	0.44021	-0.25502	0.25083	-0.24307	-0.20762		
1.00000	0.88432	0.81784	0.73202	0.67166	0.62862	-0.59017	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001		
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001								
MQVIEW	DTOWN	MQSCHOOL	IDTOWN	MQAIR	V2	V3								
0.19035	0.13871	0.12909	-0.12166	0.07790	0.04892	0.00000								
0.0001	0.0036	0.0068	0.0107	0.1031	0.3064	1.0000								
MQAIR							MQREC	V1	DLAKE	PF	V2	VR		
MQAIR	MQVIEW	IDTOWN	DTOWN	MQWILD	IDLAKE	MQTREE	0.25057	0.24874	-0.20947	0.19904	-0.15818	0.14289		
1.00000	0.80536	-0.65651	0.63718	0.40903	0.37958	0.37623	0.0001	0.0001	0.0001	0.0001	0.0009	0.0027		
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001								
MQFISH	MQSCHOOL	MLAKE	YB	FB	MQSTORE	V3								
-0.13213	0.11778	0.07790	0.04364	-0.03231	-0.03001	0.00000								
0.0056	0.0135	0.1031	0.3617	0.4995	0.5306	1.0000								
MQSCHOOL							PF	IDTOWN	DTOWN	VR	YB			
MQSCHOOL	MQTREE	MQREC	MQFISH	MQWILD	V1	DLAKE	0.29201	-0.26933	0.19636	-0.16822	0.15948	-0.15308		
1.00000	0.60164	0.43958	0.34387	0.31280	0.29742	0.29201	0.0001	0.0001	0.0001	0.0004	0.0008	0.0013		
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001								
MLAKE	MQAIR	MQSTORE	FB	V2	IDLAKE	V3								
0.12909	0.11778	-0.10082	-0.04859	-0.02718	0.00632	0.00000								
0.0068	0.0135	0.0347	0.3098	0.5701	0.8949	1.0000								

TABLE 7A.5 (Continued)

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PEARSON CORRELATION COEFFICIENTS / PROB > |R| UNDER H0:RHO=0 / N = 439

V1

V1	MLAKE	VR	MQSTORE	MQFISH	PF	PB	MQREC	MQSCHOOL	MQAIR	DTOWN	MQWILD	IDTOWN
1.00000	-0.59017	0.51328	-0.45291	-0.41892	-0.38264	-0.35293	-0.30413	0.29742	0.24874	0.17547	-0.16718	-0.14623
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0004	0.0021

DLAKE	MQTREE	YB	MQVIEW	IDLAKE	V2	V3
0.13279	-0.12557	0.12184	-0.10591	-0.09219	-0.08544	0.00000
0.0053	0.0084	0.0106	0.0265	0.0536	0.0737	1.0000

V2

V2	VR	IDTOWN	YB	DTOWN	DLAKE	MQAIR	PB	MQVIEW	PF	V1	MQWILD	MQSTORE
1.00000	0.75621	0.20705	-0.18663	-0.18413	-0.16919	-0.15818	0.13760	-0.13653	0.09250	-0.08544	-0.07363	0.05474
0.0000	0.0001	0.0001	0.0001	0.0001	0.0004	0.0009	0.0039	0.0042	0.0528	0.0737	0.1235	0.2525

MLAKE	IDLAKE	MQSCHOOL	MQFISH	MQTREE	MQREC	V3
0.04892	0.03914	-0.02718	-0.02325	0.01083	-0.00963	0.00000
0.3064	0.4134	0.5701	0.6270	0.8210	0.8406	1.0000

V3

DLAKE	DTOWN	IDLAKE	IDTOWN	MQTREE	MQVIEW	MQWILD	MQSTORE	MQREC	MQFISH	MLAKE	MQAIR	MQSCHOOL
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

V1	V2	V3	VR	PF	PB	YB
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

VR

VR	V2	V1	MQFISH	MLAKE	MQSCHOOL	MQSTORE	DLAKE	MQAIR	MQREC	MQTREE	YB	PB
1.00000	0.75621	0.51328	-0.24916	-0.20762	0.15948	-0.15463	-0.15183	0.14289	-0.08196	0.06531	-0.06165	-0.06062
0.0000	0.0001	0.0001	0.0001	0.0001	0.0008	0.0012	0.0014	0.0027	0.0863	0.1720	0.1973	0.2049

MQVIEW	DTOWN	PF	MQWILD	IDLAKE	IDTOWN	V3
-0.05907	0.04986	-0.04424	-0.04195	0.02219	-0.02114	0.00000
0.2168	0.2972	0.3551	0.3806	0.6430	0.6586	1.0000

PF

PF	PB	MLAKE	MQVIEW	V1	IDTOWN	DTOWN	IDLAKE	MQREC	MQSTORE	MQTREE	MQSCHOOL	MQWILD
1.00000	0.74458	0.44021	0.38931	-0.38264	-0.34727	0.32048	0.30140	0.29504	0.25118	0.24743	-0.24389	0.23630
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

DLAKE	MQAIR	MQFISH	V2	YB	VR	V3
-0.22786	0.19904	0.16015	0.09250	-0.07350	-0.04424	0.00000
0.0001	0.0001	0.0008	0.0528	0.1241	0.3551	1.0000

PB

PB	PF	MLAKE	V1	MQFISH	MQREC	MQSTORE	MQTREE	YB	MQWILD	MQVIEW	V2	VR
1.00000	0.74458	0.46134	-0.35293	0.33097	0.32532	0.27159	0.20533	-0.18199	0.15430	0.14098	0.13760	-0.06062
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0012	0.0031	0.0039	0.2049

MQSCHOOL	DLAKE	MQAIR	IDLAKE	DTOWN	IDTOWN	V3
-0.04859	-0.03293	-0.03231	0.02078	0.01596	-0.01323	0.00000
0.3098	0.4914	0.4995	0.6642	0.7388	0.7822	1.0000

YB

YB	MQREC	MLAKE	MQFISH	MQTREE	IDLAKE	V2	PB	MQWILD	MQSCHOOL	MQSTORE	V1	DLAKE
1.00000	-0.27238	-0.25502	-0.23952	-0.23414	-0.20001	-0.18663	-0.18199	-0.16943	-0.15308	-0.12631	0.12184	0.10194
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0004	0.0013	0.0081	0.0106	0.0327

TABLE 7A.5 (Continued)

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PEARSON CORRELATION COEFFICIENTS / PROB > |R| UNDER H0:RHO=0 / N = 439

YB

PF	VR	HQVIEW	HQAIR	IDTOWN	DTOWN	V3
-0.07350	-0.06165	0.05179	0.04364	-0.03279	0.00869	0.00000
0.1241	0.1973	0.2789	0.3617	0.4932	0.8560	1.0000

TABLE 7A.6

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PEARSON CORRELATION COEFFICIENTS / PROB > |R| UNDER H0:RHO=0 / N = 457

DLAKE

DLAKE	MQREC	PB	IDLAKE	MQAIR	DTOWN	MQVIEW	IDTOWN	V2	MQTREE	MLAKE	PF	MQSTORE	
1.00000	-0.58820	-0.57406	-0.56823	0.51344	0.45366	-0.45226	-0.43664	-0.43461	-0.40994	-0.39330	-0.38544	-0.37722	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
MQSCHOOL	V3	YB	MQFISH	V1	MQWILD	VR							
-0.28192	0.25978	0.25326	-0.15810	0.12102	-0.04170	-0.03114							
0.0001	0.0001	0.0001	0.0007	0.0096	0.3738	0.5067							
DTOWN	IDTOWN	MLAKE	MQSCHOOL	MQFISH	MQVIEW	MQREC	V2	DLAKE	IDLAKE	V3	YB	PB	
1.00000	-0.99903	-0.91045	-0.76810	-0.67388	-0.63507	-0.61376	-0.46368	0.45366	-0.40057	0.37537	0.35896	-0.28579	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
MQSTORE	PF	VR	MQWILD	MQAIR	V1	MQTREE							
-0.25290	-0.25278	0.18900	0.17748	0.14912	0.03186	0.01562							
0.0001	0.0001	0.0001	0.0001	0.0014	0.4969	0.7391							
IDLAKE	V2	DLAKE	IDTOWN	DTOWN	MQAIR	MQREC	MLAKE	V3	MQWILD	MQTREE	MQSCHOOL	YB	
1.00000	0.59987	-0.56823	0.40849	-0.40057	-0.38963	0.34926	0.32385	-0.31803	-0.30476	0.27124	0.25980	-0.25731	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
V1	MQVIEW	PF	MQFISH	PB	MQSTORE	VR							
-0.20716	0.19487	0.11467	-0.05460	0.04971	0.03695	-0.08752							
0.0001	0.0001	0.0142	0.2441	0.2889	0.4307	0.8726							
IDTOWN	DTOWN	MLAKE	MQSCHOOL	MQFISH	MQVIEW	MQREC	V2	DLAKE	IDLAKE	V3	YB	PB	
1.00000	-0.99903	0.90219	0.76868	0.65929	0.62615	0.59313	0.46755	-0.43664	0.40849	-0.37971	-0.36298	0.27158	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
PF	MQSTORE	VR	MQWILD	MQAIR	V1	MQTREE							
0.23743	0.23022	-0.19756	-0.19700	-0.15348	-0.03093	-0.00677							
0.0001	0.0001	0.0001	0.0001	0.0010	0.5095	0.8852							
MQTREE	MQTREE	MQAIR	MQVIEW	PB	DLAKE	V3	V1	VR	MQSTORE	IDLAKE	MQSCHOOL	MLAKE	MQWILD
1.00000	-0.90641	0.54888	0.50949	-0.40994	-0.36507	0.32546	-0.31246	0.31096	0.27124	-0.23501	-0.14867	0.14479	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0014	0.0019	
PF	MQFISH	MQREC	YB	V2	DTOWN	IDTOWN							
0.12347	-0.09107	0.08965	-0.05973	0.04139	0.01562	-0.00677							
0.0042	0.0517	0.0555	0.2025	0.3774	0.7391	0.8852							
MQVIEW	MQVIEW	MQFISH	MQSTORE	DTOWN	IDTOWN	MLAKE	MQREC	MQAIR	MQTREE	PB	V3	DLAKE	VR
1.00000	0.73881	0.64034	-0.63507	0.62615	0.60872	0.60704	-0.57178	0.54888	0.52665	-0.50036	-0.45226	-0.42775	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
MQSCHOOL	V1	MQWILD	PF	IDLAKE	YB	V2							
0.38633	0.38551	0.35478	0.31201	0.19487	-0.13787	0.12632							
0.0001	0.0001	0.0001	0.0001	0.0001	0.0031	0.0069							
MQWILD	MQWILD	MQFISH	V2	PF	MQVIEW	IDLAKE	YB	V1	MQSTORE	IDTOWN	DTOWN	PB	MQSCHOOL
1.00000	0.50426	-0.42227	0.38362	0.35478	-0.30476	0.27584	0.23405	0.21077	-0.19700	0.17748	0.16863	0.16345	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0005	

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MQWILD

MQREC	MQTREE	V3	MQAIR	VR	DLAKE	MLAKE
0.16245	0.14479	0.13477	0.13297	0.08347	-0.04170	0.03704
0.0005	0.0019	0.0039	0.0044	0.0746	0.3738	0.4295
MQSTORE	MQVIEW	V3	V1	VR	MQAIR	MQFISH
1.00000	0.64034	-0.62363	0.58654	-0.57902	-0.45502	0.45479
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.45454	0.44609	-0.37722	0.31096	-0.25290	0.23022	
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
MQLAKE	MQWILD	PF	MQSCHOOL	IDLAKE	V2	YB
0.22334	0.21077	-0.11559	0.11401	0.03695	0.03558	-0.01856
0.0001	0.0001	0.0134	0.0147	0.4307	0.4480	0.6923
MQREC	MQVIEW	DTOWN	MQSCHOOL	IDLAKE	MQFISH	V2
1.00000	0.81067	-0.61376	0.60704	0.59313	-0.58820	0.48900
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.47862	0.47158	0.45331	0.44609	0.42485	0.34926	
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
MQAIR	V3	YB	MQWILD	V1	MQTREE	VR
-0.31383	-0.27445	-0.20544	0.16245	-0.14479	0.08965	-0.00225
0.0001	0.0001	0.0001	0.0005	0.0019	0.0555	0.9617
MQFISH	MQVIEW	MLAKE	MQSCHOOL	DTOWN	IDTOWN	MQWILD
1.00000	0.73881	0.73217	0.71854	-0.67388	0.65929	0.50426
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.48900	0.45479	0.29548	0.27139	-0.26680	-0.26056	
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
PB	DLAKE	MQAIR	MQTREE	IDLAKE	YB	V2
0.18905	-0.15810	0.12339	-0.09107	-0.05460	-0.04507	-0.03597
0.0001	0.0007	0.0083	0.0517	0.2441	0.3364	0.4431
MLAKE	DTOWN	IDTOWN	MQREC	MQSCHOOL	MQFISH	MQVIEW
1.00000	-0.91045	0.90219	0.81067	0.76740	0.73217	0.60872
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.45242	-0.39330	0.38529	0.32385	-0.27898	-0.25173	
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
PB	MQSTORE	MQTREE	V1	VR	MQWILD	MQAIR
0.25069	0.22334	-0.14867	-0.14448	-0.04881	0.03704	-0.02039
0.0001	0.0001	0.0014	0.0020	0.2978	0.4295	0.6637
MQAIR	MQTREE	MQVIEW	PB	DLAKE	V3	MQSTORE
1.00000	-0.90611	-0.57178	-0.56393	0.51344	0.48327	-0.45502
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
-0.38963	0.36436	-0.31383	-0.26724	0.25254	-0.24595	
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
YB	IDTOWN	DTOWN	MQWILD	MQFISH	PF	MLAKE
0.16902	-0.15348	0.14912	0.13297	0.12339	-0.07381	-0.02039
0.0003	0.0010	0.0014	0.0044	0.0083	0.1151	0.6637
MQSCHOOL	IDTOWN	DTOWN	MLAKE	MQFISH	MQREC	MQVIEW
1.00000	0.76868	-0.76810	0.76740	0.71854	0.42485	0.38633
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
-0.28192	0.26544	-0.26218	0.25980	0.25254	-0.23501	
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
YB	PF	MQWILD	MQSTORE	PB	VR	V1
-0.20130	0.17492	0.16345	0.11401	0.10252	-0.09975	0.02860
0.0001	0.0002	0.0005	0.0147	0.0284	0.0330	0.5420

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V1													
V1	VR	V3	MQSTORE	PF	V2	MQVIEW	MQTREE	MQFISH	MQAIR	PB	MQWILD	IDLAKE	
1.00000	-0.86384	-0.61757	0.58654	-0.47925	-0.44638	0.38551	0.32546	0.29548	-0.24595	0.24110	0.23405	-0.20716	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
MQREC	QLAKE	DLAKE	YB	DTOWN	IDTOWN	MQSCHOOL							
-0.14479	-0.14448	0.12102	0.11198	0.03186	-0.03093	0.02860							
0.0019	0.0020	0.0096	0.0166	0.4969	0.5095	0.5420							
V2													
V2	IDLAKE	MQREC	IDTOWN	DTOWN	QLAKE	V1	DLAKE	V3	MQWILD	PF	YB	MQAIR	
1.00000	0.59987	0.47862	0.46755	-0.46368	0.45242	-0.44638	-0.43461	-0.42814	-0.42227	0.32115	-0.30896	-0.26724	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
MQSCHOOL	MQVIEW	VR	MQTREE	MQFISH	MQSTORE	PB							
0.26544	0.12632	0.05096	0.04139	-0.03597	0.03558	0.02754							
0.0001	0.0069	0.2770	0.3774	0.4431	0.4480	0.5570							
V3													
V3	VR	MQSTORE	V1	MQVIEW	MQAIR	V2	IDTOWN	DTOWN	MQTREE	IDLAKE	MQREC	PB	
1.00000	0.82761	-0.62363	-0.61757	-0.50036	0.48327	-0.42814	-0.37971	0.37537	-0.36507	-0.31803	-0.27445	-0.26770	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
MQFISH	MQSCHOOL	DLAKE	QLAKE	PF	YB	MQWILD							
-0.26680	-0.26218	0.25978	-0.25173	0.20173	0.15847	0.13477							
0.0001	0.0001	0.0001	0.0001	0.0001	0.0007	0.0039							
VR													
VR	V1	V3	MQSTORE	PF	MQVIEW	MQAIR	MQTREE	MQFISH	IDTOWN	DTOWN	PB	MQSCHOOL	
1.00000	-0.86384	0.82761	-0.57902	0.48692	-0.42775	0.38436	-0.31246	-0.26056	-0.19756	0.18900	-0.13926	-0.09975	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0028	0.0330	
MQWILD	V2	QLAKE	DLAKE	YB	IDLAKE	MQREC							
0.08347	0.05096	-0.04881	-0.03114	0.02693	-0.00752	-0.00225							
0.0746	0.2770	0.2978	0.5067	0.5658	0.8726	0.9617							
PF													
PF	VR	V1	MQREC	DLAKE	QLAKE	MQWILD	V2	MQVIEW	MQFISH	PB	DTOWN	IDTOWN	
1.00000	0.48692	-0.47925	0.45331	-0.38544	0.38529	0.38362	0.32115	0.31201	0.27139	0.26907	-0.25278	0.23743	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
V3	MQSCHOOL	MQTREE	MQSTORE	IDLAKE	YB	MQAIR							
0.20173	0.17492	0.12347	-0.11559	0.11467	-0.08066	-0.07381							
0.0001	0.0002	0.0082	0.0134	0.0142	0.0850	0.1151							
PB													
PB	DLAKE	MQAIR	MQVIEW	MQTREE	MQREC	MQSTORE	DTOWN	IDTOWN	PF	V3	QLAKE	V1	
1.00000	-0.57406	-0.56393	0.52665	0.50949	0.47158	0.45454	-0.28579	0.27158	0.26907	-0.26770	0.25069	0.24110	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
MQFISH	MQWILD	YB	VR	MQSCHOOL	IDLAKE	V2							
0.18905	0.16863	-0.14180	-0.13926	0.10252	0.04971	0.02754							
0.0001	0.0003	0.0024	0.0028	0.0284	0.2889	0.5570							
YB													
YB	IDTOWN	DTOWN	V2	QLAKE	MQWILD	IDLAKE	DLAKE	MQREC	MQSCHOOL	MQAIR	V3	PB	
1.00000	-0.36298	0.35896	-0.30896	-0.27898	0.27584	-0.25731	0.25326	-0.20544	-0.20130	0.16902	0.15847	-0.14180	
0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0007	0.0024	

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PEARSON CORRELATION COEFFICIENTS / PROB > |R| UNDER H0:RHO=0 / N = 457

YB

MQVIEW	V1	PF	MQTREE	MQFISH	VR	MQSTORE
-0.13787	0.11198	-0.08066	-0.05973	-0.04507	0.02693	-0.01856
0.0031	0.0166	0.0850	0.2025	0.3364	0.5658	0.6923